

What is claimed is:

- 1 [Claim 1] A system usable with a subterranean well,
2 comprising:
3 a first tubular member adapted to receive a flow of a first
4 fluid;
5 a second tubular member located in the flow and
6 substantially flexible to be moved by the flow to establish a
7 pressure on a second fluid inside the second tubular members;
8 and
9 a mechanism to use the pressure to actuate a downhole
10 tool.
- 1 [Claim 2] The system of claim 1, wherein the second
2 tubular member is attached at one end to the first tubular
3 member and has an unattached free end.
- 1 [Claim 3] The system of claim 1, wherein the second
2 tubular member comprises an end to receive some of the flow
3 of the first fluid and some of the flow of the first fluid
4 comprises the second fluid.
- 1 [Claim 4] The system of claim 1, wherein the mechanism
2 comprises an accumulator.
- 1 [Claim 5] The system of claim 1, wherein the mechanism
2 solely uses the pressure to actuate the downhole tool.
- 1 [Claim 6] The system of claim 1, wherein the tool
2 comprises at least one of a sleeve, packer and a valve.
- 1 [Claim 7] A method usable with a subterranean well,
2 comprising:
3 receiving a flow of a fluid in a subterranean well;

4 using a substantially flexible member located in the flow to
5 pump a second fluid inside the second tubular member to
6 establish a pressure on the second fluid; and
7 using the pressure to actuate a downhole tool.

1 [Claim 8] The method of claim 7, further comprising:
2 attaching the tubular member to one end of a production
3 tubing and leaving the other end of the tubular member free.

1 [Claim 9] The method of claim 7, further comprising:
2 attaching the tubular member so that at least some of the flow
3 enters the tubular member to establish the second fluid.

1 [Claim 10] The method of claim 7, further comprising:
2 accumulating the second fluid to establish a pressure on the
3 second fluid.

1 [Claim 11] The method of claim 7, further comprising:
2 solely using the pressure to actuate the downhole tool.

1 [Claim 12] The method of claim 7, wherein the tool
2 comprises at least one of a sleeve, a packer and a valve.

1 [Claim 13] A system usable with a subterranean well,
2 comprising:
3 a first tubular member to receive a flow; and
4 a second tubular member to move in the flow to pump at least
5 part of the flow to establish a hydraulic pressure to operate a
6 downhole tool.

1 [Claim 14] The system of claim 13, wherein the second
2 tubular member is attached at one end to the first tubular
3 member and has an unattached free end.

1 [Claim 15] The system of claim 13, wherein the second
2 tubular member comprises an end to receive some of the flow
3 of the first fluid and some of the flow of the first fluid
4 comprises the second fluid.

1 [Claim 16] The system of claim 13, wherein the mechanism
2 comprises an accumulator.

1 [Claim 17] The system of claim 13, wherein the mechanism
2 solely uses the pressure to actuate the downhole tool.

1 [Claim 18] The system of claim 13, wherein the tool
2 comprises at least one of a sleeve, packer and a valve.

1 [Claim 19] A method usable with a subterranean well,
2 comprising:

1 placing a flexible tube in a flow in a subterranean well to pump
2 at least part of the flow to establish a hydraulic pressure to
3 operate a downhole tool.

1 [Claim 20] The method of claim 19, further comprising:
2 attaching the tubular member to one end of a production
3 tubing and leaving the other end of the tubular member free.

1 [Claim 21] The method of claim 19, further comprising:
2 attaching the tubular member so that at least some of the flow
3 enters the tubular member to establish the second fluid.

1 [Claim 22] The method of claim 19, further comprising:
2 accumulating the second fluid to establish a pressure on the
3 second fluid.

1 [Claim 23] The method of claim 19, further comprising:
2 solely using the pressure to actuate the downhole tool.

1 [Claim 24] The method of claim 19, wherein the tool
2 comprises at least one of a sleeve, a packer and a valve.

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